



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 86 53 43

### Classification of the application (IPC):

B25J 5/00, B60B 35/00, B65D 21/00, B66F 9/06, B66F 9/075

### Technical fields searched (IPC):

B66F, B62D, B62B, B60K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	JP 2014218183 A (UNICARRIERS CORP) 20 November 2014 (2014-11-20) * abstract * * figures *	1-3
X Y	GB 2183566 A (YOSHIDA KOGYO KK) 10 June 1987 (1987-06-10) * the whole document *	1, 2, 4 5-10
X	GB 1578742 A (NAT RES DEV) 12 November 1980 (1980-11-12) * the whole document *	1
Y	US 4496274 A (PIPES GEORGE R [US]) 29 January 1985 (1985-01-29) * abstract * * column 2, line 5 - column 4, line 27 * * figures *	5-10

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 18 March 2020	Examiner Sheppard, Bruce
------------------------------	---	-----------------------------

### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 86 53 43

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-3

A suspension system with a sliding bearing and drive wheel arrangement.

2. claims: 4-10

A carrying mobile robot comprising a suspension system.

All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 18 March 2020	Examiner Sheppard, Bruce
------------------------------	---	-----------------------------

### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 86 53 43

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 18-03-2020  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2014218183 A	20-11-2014	JP 6467124 B2 JP 2014218183 A	06-02-2019 20-11-2014
GB 2183566 A	10-06-1987	AU 6516386 A DE 3639069 A1 FR 2592341 A1 GB 2183566 A JP S6283792 U	11-06-1987 21-05-1987 03-07-1987 10-06-1987 28-05-1987
GB 1578742 A	12-11-1980	DE 2707541 A1 FR 2342197 A1 GB 1578742 A US 4128137 A	01-09-1977 23-09-1977 12-11-1980 05-12-1978
US 4496274 A	29-01-1985	CA 1210367 A DE 3362601 D1 EP 0102706 A1 ES 8405322 A1 JP H0445386 B2 JP S5957059 A US 4496274 A	26-08-1986 24-04-1986 14-03-1984 16-06-1984 24-07-1992 02-04-1984 29-01-1985